

CLOUD ANALYSIS DATABASES (DB)

DATMANXTSFC. Surface Observations. Time(hr), type(hourly, special, etc), lat/lon and region #, station WMO and block # and elevation, call letters, report type (e.g. airways), wind, sea level pressure, temperature, dewpoint depression, altimeter, precipitation, sky cover, past/present wx, sky cover, visibility. Hourly update. Variable size.

DATMANXTPRB. Rawinsonde and satellite sounding data. Temp, Dewpt depression, geopotential height, pressure. Mandatory and significant levels, tropopause data. 4/day. Size varies. Sounding data not currently accessed by cloud analysis model.

DATMANXXSFC and SFCIMP*4SHFCSTX. Surface temperatures at 1/8 mesh. Shelter and skin. 0, 3, and 4 1/2 hr fcsts. 8 times/day. 15MB.

DATMANSSMI. Gridded 1/8 mesh SDRs and EDRs. Mosaic. See reverse for sample available parameters. 18MB. Cloud analysis model currently uses only SDRs.

DATMANXFIX64. 1/8 mesh geography (land/coast/water/snow/ice). 2MB.

RINEPH*TEMPS. Whole mesh upper air temperature, height, specific humidity, tropopause height. From our GSM 9hr forecast. 4/day. 1MB.

PROD*SATNORTH(SOUTH)POLE. 6-bit IR and Vis DMSP and NOAA grayshade values at 3nm resolution. Mosaic. 16MB.

PROD*RTNORTH(SOUTH)MAP. Quarter orbit (QO) and whole mesh data location information on the PROD*SATNORTH(SOUTH)POLE files. Datatype, 10 min time stamp, satellite rev/QO. Mosaic. 170 kbytes.

DATMANXXNEFA. Primary RINEPH output DB of 1/8 mesh cloud amount, type, base, top, present wx, visibility, source and diagnostic flags. Mosaic. 14MB.

DATMANXXBRIT. 1/8 mesh visual clear-scene brightnesses. Flags for snow cover (from snow model) and when updating brightness value. Mosaic. 4MB.

DATMANXSNDEP. 1/8 mesh snow model analysis. Snow age (days), depth and depth change (inches), climatology (month). 1/day. 750 kbytes.

NOTE: actual sizes will be larger when reformatted to ASCII/byte formats.